

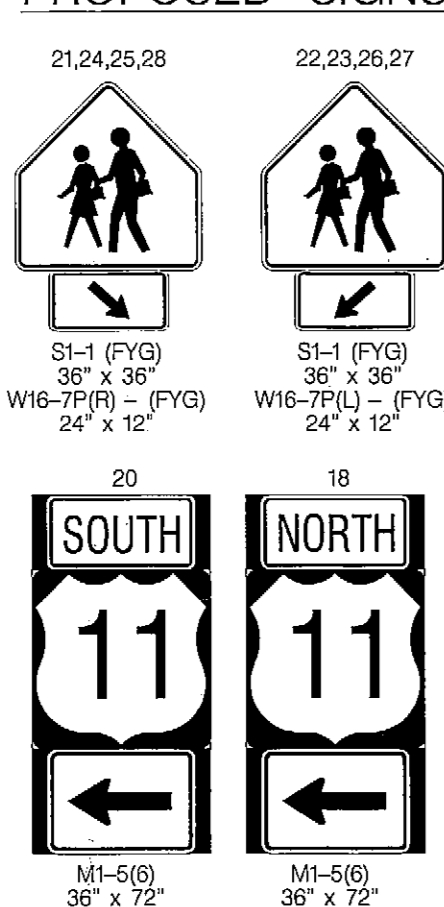
DRILL HOLES

DRILL HOLES

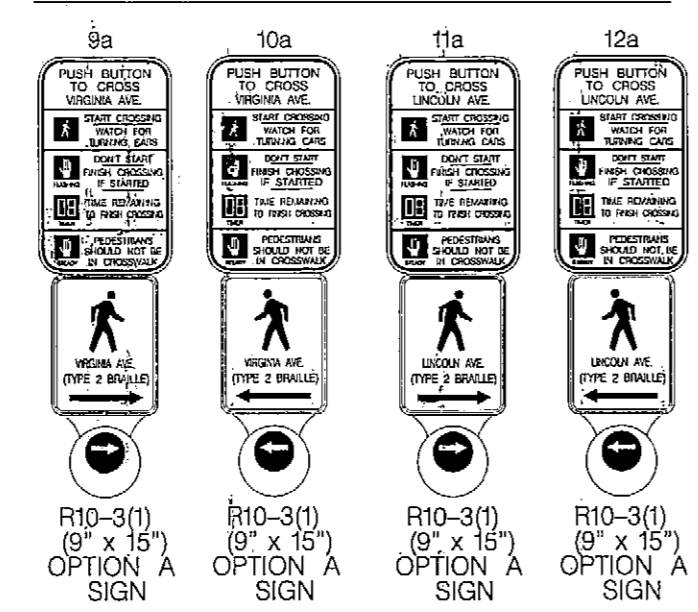
June 1, 2014
Bentley Blue Dwg

US 11 (VIRGINIA AVE.) IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

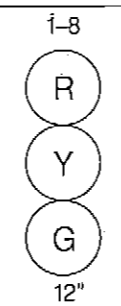
PROPOSED SIGNS



PROPOSED APS PEDESTRIAN
PUSHBUTTONS AND SIGNS



PROPOSED BLACKFACE L.E.D.
TRAFFIC SIGNAL HEADS



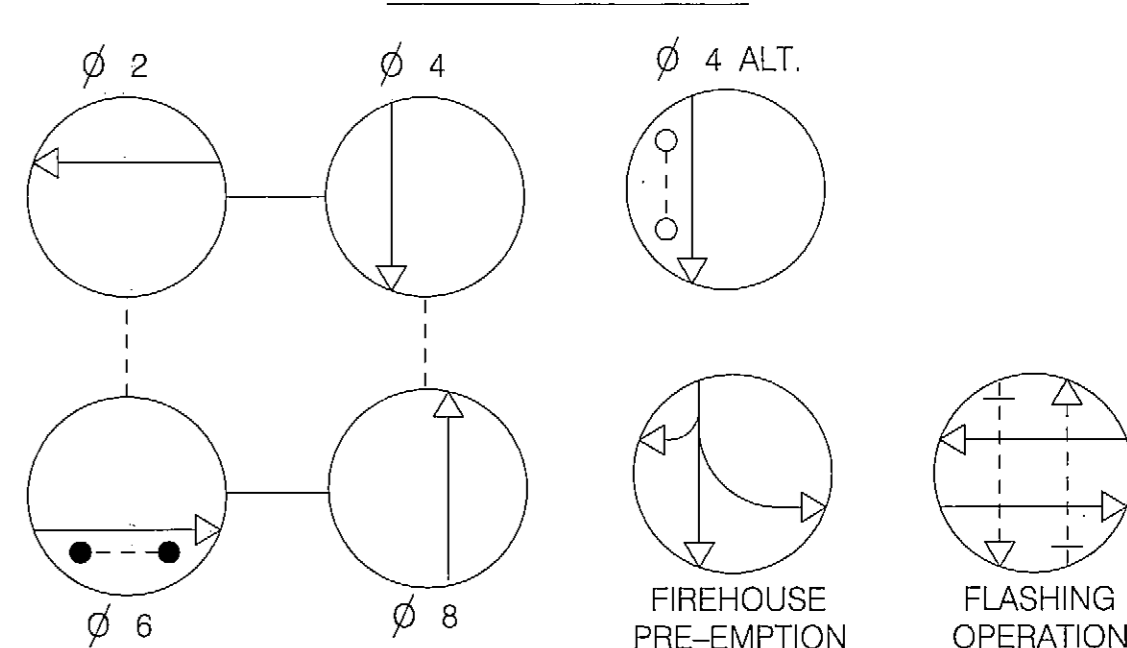
PROPOSED COUNTDOWN
PEDESTRIAN SIGNAL HEADS



PROPOSED VIDEO
DETECTION CAMERAS



NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

MATCH LINE - SEE SHEET 2

LINCOLN AVE.

HALFWAY LIQUOR STORE

HOUSE

HOUSE

HOUSE

US 11 (VIRGINIA AVE.) SOUTHBOUND

US 11 (VIRGINIA AVE.) NORTHBOUND

UTILITY HEIGHTS

1	1/4 IN. SIGNAL TETHER	= 16' - 6"
	TELEPHONE	= 18' - 8"
	TELEPHONE	= 18' - 10"
	TELEPHONE	= 19' - 1"
	TELEPHONE	= 22' - 3"
	CATV	= 22' - 5"
	CATV	= 22' - 7"
	3/8 IN. SIGNAL SPAN WIRE	= 22' - 11"
2	1/4 IN. SIGNAL TETHER	= 16' - 11"
	TELEPHONE	= 19' - 6"
	TELEPHONE	= 19' - 7"
	TELEPHONE	= 20' - 5"
	CATV	= 20' - 8"
	TELEPHONE	= 23' - 0"
	CATV	= 23' - 1"
	3/8 IN. SIGNAL SPAN WIRE	= 23' - 1"
3	1/4 IN. SIGNAL TETHER	= 16' - 8"
	NEUTRAL (GUY)	= 21' - 0"
	3/8 IN. SIGNAL SPAN WIRE	= 23' - 5"
	SECONDARY	= 26' - 8"
	PRIMARY	= 35' - 4"
4	1/4 IN. SIGNAL TETHER	= 17' - 2"
	NEUTRAL (GUY)	= 20' - 10"
	3/8 IN. SIGNAL SPAN WIRE	= 22' - 6"
	SECONDARY	= 23' - 0"
	PRIMARY	= 34' - 11"

CONSTRUCTION DETAILS

- INSTALL 27 FT. MAST ARM POLE WITH A 38 FT. MAST ARM, VEHICLE SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA AND 20 FT. STREET LIGHTING ARM WITH VIDEO DETECTION CAMERAS AND LED LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE, CONDUIT BENDS)
- INSTALL 21 FT. MAST ARM POLE WITH TWIN 50 FT./60 FT. MAST ARMS, VEHICLE SIGNAL HEADS, PEDESTRIAN SIGNAL HEAD, SIGNS AND VIDEO DETECTION CAMERA. 50 FT. MAST ARM SHALL BE MOUNTED AT T=18 FT. (NOTE: INSTALL 2-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE, CONDUIT BENDS)
- INSTALL 16.5 FT. SPECIAL "T" MAST ARM POLE WITH A 38 FT. MAST ARM, VEHICLE SIGNAL HEADS AND SIGNS (NOTE: INSTALL 1-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE, CONDUIT BEND)
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN (NOTE: INSTALL 1-2 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BEND). REFER TO MD 801.01-01 FOR FOUNDATION DETAILS
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN PUSHBUTTON AND SIGN CUT TO 5 FT., CLEAN, GALVANIZE AND CAP (NOTE: INSTALL 1-2 IN. SCHEDULE 80, RIGID PVC 90 DEGREE, CONDUIT BEND). REFER TO MD 801.01-01 FOR FOUNDATION DETAILS
- CUT, CLEAN, GALVANIZE AND CAP MAST ARM AT LOCATION SHOWN
- INSTALL BASE MOUNTED "S" CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BENDS)
- INSTALL ELECTRICAL HANDHOLE
- INSTALL 2 IN. SCHEDULE 80, RIGID PVC, ELECTRICAL CONDUIT - TRENCHED
- INSTALL 3 IN. SCHEDULE 80, RIGID PVC, ELECTRICAL CONDUIT - TRENCHED
- INSTALL 3 IN. SCHEDULE 80, RIGID PVC, ELECTRICAL CONDUIT - TRENCHED FOR POWER FEED. STUB AT POLE NO. 11718
- INSTALL 4 IN. SCHEDULE 80, RIGID PVC, ELECTRICAL CONDUIT - TRENCHED
- INSTALL 4 IN. SCHEDULE 80, RIGID PVC, ELECTRICAL CONDUIT - BORED
- INSTALL 100 AMP METERED SERVICE PEDESTAL
- INSTALL 5 IN. SOLID YELLOW, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
- INSTALL 12 IN. SOLID WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
- INSTALL 24 IN. SOLID WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
- REMOVE EXISTING PAVEMENT MARKING LINE
- REMOVE EXISTING STRAIN POLE AND ASSOCIATED SIGNAL EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL
- REMOVE EXISTING GROUND MOUNTED SIGN
- INSTALL S1-1 AND W16-7P(R) & (L) SIGNS ON ONE 4 IN. X 6 IN. WOOD (DRILLED) SUPPORT AS SHOWN

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

AERIAL CABLE	---	A
ELECTRICAL	---	E
TELEPHONE	---	T
GAS	---	G
SEWER	---	S
WATER	---	W
CABLE TV	---	TV

TRAFFIC CONCEPTS, INC.

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EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

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Tuesday, August 20, 2013 AT 11:10 AM

M:2794 / SIGNAL

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

8-20-2013	SIGNAL RECONSTRUCTION AND UPGRADE TO APS+OPS	SHA NO. XX5245185
7-20-82	SHA NO. W572X-000-685	

TRAFFIC SIGNALIZATION PLAN

SCALE 1"=20' DATE 9-5-74 CONTRACT NO. BW996M82

DESIGNED BY D. DODA COUNTY WASHINGTON
DRAWN BY R. BRITTON LOGMILE 21001103.98
CHECKED BY A. BUDNICHUK T.I.M.S. NO.
F.A.P. NO. NA TOD NO.

DRAWING NO. TS-642 B SHEET NO. 1 OF 3

TOD NO: XX524-07
SHA NO: WA250852
US 11 @ Lincoln Avenue



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 11 (VIRGINIA AVE.) AND LINCOLN AVE.
HALFWAY, MARYLAND